

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: U.S. Patent No. 7,277,504

USPTO CONFIRMATION CODE: 3222

APPLICATION NO.: 10/603,469

FILED: June 25, 2003

EXAMINER: Chieh M.Fan

GROUP ART UNIT: 2611

FOR: METHOD AND SYSTEM FOR CONCURRENT ESTIMATION OF  
FREQUENCY OFFSET AND MODULATION INDEX

37 CFR 1.322 & 37 CFR 1.323 REQUEST FOR CERTIFICATE OF CORRECTION  
FOR USPTO AND/OR APPLICANT MISTAKE

HONORABLE COMMISSIONER OF PATENTS & TRADEMARKS

SIR:

The following is a request for a certificate of correction in Serial Number 10/603,469, now Patent Number 7,277,504.

A certificate of correction under 35 USC 254 is respectfully requested in the above-identified patent.

The errors were the fault of both the applicant and USPTO and, accordingly, please charge \$100.00 to our Deposit Account No. 50-1379. In the event that a further fee is required, please charge the amount to the same Deposit Account.

The exact locations where the errors appear in the patent and patent application are as follows:

On the Face Page, in Field (73), under "Assignee", in Column 1, Line 1, delete "Telefonaktiebolaget" and insert -- Telefonaktiebolaget --, therefor.  
(ISSUE FEE PAYMENT (PTO-85B) DATED AUGUST 20, 2007, PAGE 1,  
UNDER "NAME OF ASSIGNEE", LINE 1)

In Column 3, Line 40, in Equation "(2)", delete " $\phi_k b_k h\pi + 2\pi f T_{sym} + n_k$ ",  
and insert --  $\phi_k = b_k h\pi + 2\pi f T_{sym} + n_k$  --, therefor.  
(AMENDMENTS TO THE SPECIFICATION DATED JUNE 26, 2003, PAGE 2,  
LINE 2)

In Column 5, Line 22, delete "10<sub>3</sub>" and insert -- 10<sup>-3</sup> --, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED JUNE 25, 2003, PAGE 9,  
LINE 21)

In Column 5, Line 33, in Equation "(8)", delete " $h_{comp} = h + C_o + C_2 y^2$ " and  
insert --  $h_{comp} = h + c_o + c_2 y^2$  --, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED JUNE 25, 2003, PAGE 10,  
LINE 6, EQUATION (8))

In Column 6, Line 32, in Equation "(11)", delete "2πθT<sub>sym</sub>+n<sub>k</sub>" and  
insert -- 2πfT<sub>sym</sub>+n<sub>k</sub> --, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED JUNE 25, 2003, PAGE 11,  
LINE 24, EQUATION (11))

In Column 6, Lines 66-67, delete "v = (B<sup>T</sup>B)<sup>-1</sup>B<sup>T</sup>Φ" and  
insert -- v = (B<sup>T</sup>B)<sup>-1</sup>B<sup>T</sup>Φ --, therefor.  
(ORIGINALLY FILED SPECIFICATION DATED JUNE 25, 2003, PAGE 12,  
LINE 13)

In Column 7, Line 30, in Equation "(13)", delete "n<sub>k</sub>" and insert -- n<sub>k</sub> --,  
therefor.  
(ORIGINALLY FILED SPECIFICATION DATED JUNE 25, 2003, PAGE 13,  
EQUATION (13), LINE 13)

The requested corrections are attached on Form PTO 1050.

Respectfully Submitted

, 2008  
DATE

/SIDNEY L. WEATHERFORD, Reg#45602/

Sidney L. Weatherford  
Registration No. 45602

Attorney of Record

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page 1 of 2

PATENT NO. : 7,277,504 B2

APPLICATION NO. : 10/603,469

ISSUE DATE : October 2, 2007

INVENTOR(S) : Smit

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Face Page, in Field (73), under "Assignee", in Column 1, Line 1, delete "Telefonaktiebolaget" and insert -- Telefonaktiebolaget --, therefor.

In Column 3, Line 40, in Equation "(2)", delete " $\phi_k b_k h\pi + 2\pi f T_{sym} + n_k$ ", and insert --  $\phi_k = b_k h\pi + 2\pi f T_{sym} + n_k$  --, therefor.

In Column 5, Line 22, delete "10<sub>3</sub>" and insert -- 10<sup>-3</sup> --, therefor.

In Column 5, Line 33, in Equation "(8)", delete " $h_{comp} = h + C_o + C_2 y^2$ " and insert --  $h_{comp} = h + c_o + c_2 y^2$  --, therefor.

In Column 6, Line 32, in Equation "(11)", delete " $2\pi \theta T_{sym} + n_k$ " and insert --  $2\pi f T_{sym} + n_k$  --, therefor.

**MAILING ADDRESS OF SENDER (Please do not use customer number below):**

6300 Legacy, MS EVR 1-C-11  
Plano, TX 75024  
972-583-8656

This collection of information is required by 37 CFR 1.322, and 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patent, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**Page 2 of 2

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APPLICATION NO. : 10/603,469

ISSUE DATE : October 2, 2007

INVENTOR(S) : Smit

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 6, Lines 66-67, delete “ $v = (B^T B)^{-1} B^T \Phi$ ” and insert - -  $v = (B^T B)^{-1} B^T \Phi$  - -, therefor.

In Column 7, Line 30, in Equation “(13)”, delete “ $n_k$ ” and insert - -  $n_k$  - -, therefor.

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